

*SWS Miscellaneous Publication 98-20*

STATE OF ILLINOIS

DEPARTMENT OF NATURAL RESOURCES

*Local Climatological Data Summary*  
*Mt. Vernon, Illinois*  
*1895-1994*

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**SWS**

*Illinois State Water Survey*

1995

# LOCAL CLIMATOLOGICAL DATA

## MT. VERNON IL - 1895 TO 1994

### Climatological Summary

Mt. Vernon (Jefferson County) has a temperate continental climate dominated by maritime tropical air from the Gulf of Mexico from about April through October, maritime polar air from the Pacific Ocean in spring, fall and winter, with a few short-duration incursions of continental polar air from Canada during winter.

Mid-winter high temperatures are typically in the high 30s, low 40s (° F), whereas summer highs frequent the mid-to-high 80s, with lows about 20F lower. The intermediate seasons are transitional, and tend to exhibit a mix of winter- and summer-like days, with rather large day-to-day temperature fluctuations common. The greatest day-to-day changes in temperature occur in late fall, winter and early spring.

Winters are usually punctuated with 2 to 5 cold, dry arctic outbreaks, with daily lows dropping into the -10F range. They generally persist for 2 to 3 days, and are often preceded by a winter storm. On average there are 51 days per year with temperatures greater than 90F, 104 days less than 32F and only 4 days less than zero.

Mean annual precipitation is 41.94 inches, and is rather evenly spread throughout the year, with about 3.50 inches each month, although there can be a great deal of variation. Only 4% more than half of the mean annual total falls during the warmer half-year.

The greatest annual precipitation in Mt. Vernon was 63.07" (1945) and the least ever was 27.32" (1936). Mean annual snowfall is 17.7 inches, though, again, has varied from 1.2" during the 1937-38 winter, to 46.0" in 1911-12. The highest temperature of record in Mt. Vernon is 114° F (14 July 1936); the lowest of record is -22° F (10 February 1899).

Late spring, summer and early fall tend to be very humid and uncomfortable, with dew points in the 60s or 70s and afternoon relative humidities in the 40-60% range. The frost-free growing season averages 184 days, beginning about 12 April and ending 16 October. There is only a 10% chance that the last spring frost will occur after 2 May, and equal likelihood that the first fall frost will occur before 3 October.

On average, Mt. Vernon experiences 60 days each year with thunderstorms. Although the record is known to be incomplete, 13 tornadoes have been recorded in Jefferson County since 1840. During the 99 complete years of record there were:

- 2 years with more than 60 inches precipitation
- 9 years with more than 55 inches precipitation
- 18 years with less than 35 inches precipitation, and
- 3 years with less than 30 inches precipitation.

Latitude N38 21  
Longitude W88 52

Climatological Summary  
means: 1961-1990, Extremes: 1895-1994

Mt Vernon, IL  
Elevation 490

Temperature										Ave Degree Days			Precipitation					Snow				
Means			Extremes			Ave Number of Days				Extremes			Greatest		Greatest		Ave Number of Days With			Extremes		Date
Mon	Ave	Ave	Ave	High	Low	Max	Min	>=90	<=32	Best	Cool	Grow	Mean	Monthly	Year	Amount	>=0.1	>=0.5	>=1.0	Mean	Monthly	Greatest
	Max	Min	Mean	Temp	Date	Date								Amount	Date					Amount	Year	Depth
Jan	37.5	17.5	27.5	75	24/1943	-21	19/1994	0	8	25	2	1,121	0	5	2.18	11.48	1937	3.65	14/1937	6	2	1
Feb	42.0	21.0	31.5	79	29/1972	-22	30/1899	0	5	22	1	896	0	8	2.62	6.63	1908	4.31	2/1908	5	2	1
Mar	53.9	32.5	43.2	92	21/1907	-10	4/1978	0	1	15	0	640	3	66	4.23	12.04	1945	3.90	25/1913	7	3	1
Apr	65.8	43.8	54.8	91	30/1901*	17	1/1923	0	0	3	0	304	25	217	4.18	9.91	1957	3.70	24/1975	8	3	1
May	75.5	52.4	64.0	99	28/1911*	29	1/1903*	2	0	0	0	102	91	447	4.44	12.89	1995*	5.03	17/1990	7	3	1
Jun	84.7	61.5	73.1	105	25/1914*	36	1/1924	10	0	0	0	8	265	706	3.39	10.85	1928	4.10	22/1897	7	3	1
Jul	88.5	65.9	77.3	114	14/1936	46	23/1947	17	0	0	0	1	379	835	4.02	10.83	1948	6.07	19-20/1896	6	2	1
Aug	86.6	63.5	75.1	111	17/1936	42	29/1946	14	0	0	0	2	319	774	3.15	14.37	1946	6.17	16/1946	5	2	1
Sep	79.9	56.0	68.0	105	15/1939	23	30/1899	7	0	0	0	51	159	550	3.28	10.18	1945	4.25	2/1931	5	3	1
Oct	68.7	43.5	56.1	96	5/1938	18	26/1981	1	0	3	0	274	29	248	2.91	13.91	1919	4.36	26/1919	5	2	1
Nov	54.9	34.1	44.6	86	1/1938	-5	30/1929	0	1	13	0	578	2	72	3.96	13.11	1985	4.41	14/1993	6	3	1
Dec	42.0	23.5	32.8	78	2/1970	-19	22/1989	0	5	23	1	966	0	12	3.54	10.16	1982	3.00	20/1957	6	3	1
Tot/Ave 65.0 42.9 54.0								51	20	104	4	4,943	1,772	3,940	41.94				73	31	12	17.7

Heating and Cooling degree days based on 65F.

Growing Degree days based on 50F

\* Records also occurred on the following dates:

Apr: High Temp 4/11/1930, and 4/21/1946

May: High Temp 5/21/1941

Low Temp 5/29/1904

Jun: High Temp 6/27/1914, 6/29/1931, and 6/29/1936

+ Calendar day

† Snowdepth records begin 1901

\* This record 1995

† Records also occurred on the following dates:

Jan: Snowdepth 1/19/1978

Apr: Snowfall 1971

Snowdepth 4/7/1971

Dec: Snowdepth 12/15/1969, and 12/28/1990

Probabilities:

Station: (115943)

Precipitation (in)

MT\_VERNON\_3\_NE

Missing Data: 1.6%

Years: 1961 To 1990

	1%	5%	10%	25%	50%	75%	90%	95%	99%
Ja	0.11	0.30	0.48	0.96	1.80	3.05	4.56	5.65	8.10
Fe	0.31	0.63	0.87	1.43	2.29	3.46	4.79	5.72	7.76
Ma	0.84	1.39	1.78	2.59	3.77	5.25	6.87	7.98	10.35
Ap	1.15	1.73	2.12	2.90	3.97	5.29	6.69	7.63	9.61
Ma	0.88	1.47	1.89	2.77	4.04	5.66	7.43	8.64	11.23
Jn	0.65	1.11	1.43	2.11	3.10	4.36	5.74	6.68	8.71
Ju	0.40	0.86	1.23	2.09	3.48	5.38	7.59	9.15	12.57
Au	0.26	0.59	0.87	1.55	2.66	4.23	6.06	7.36	10.25
Se	0.49	0.91	1.22	1.90	2.93	4.28	5.80	6.85	9.13
Oc	0.28	0.61	0.87	1.49	2.48	3.86	5.45	6.57	9.04
No	0.40	0.86	1.22	2.06	3.40	5.24	7.35	8.84	12.12
De	0.53	0.99	1.33	2.07	3.20	4.67	6.32	7.47	9.96
An	27.51	31.16	33.24	36.92	41.32	46.05	50.61	53.47	59.11
Wi	2.70	3.88	4.64	6.14	8.16	10.59	13.14	14.84	18.39
Sp	5.96	7.50	8.42	10.13	12.29	14.75	17.21	18.80	22.05
Su	4.44	5.81	6.65	8.24	10.29	12.65	15.06	16.64	19.87
Fa	3.65	5.02	5.89	7.55	9.75	12.34	15.02	16.80	20.47

Growing Season Summary

Station: (115943) MT\_VERNON\_3\_NE

Years: 1961 To 1990 Missing Data: 2.4%

Base	Date of Last Spring Occurrence						Date of First Fall Occurrence					
Temp	Median	Early	90%	10%	Late	#yrs	Median	Early	10%	90%	Late	#yrs
32	4/12	3/21	3/27	5/02	5/10	28	10/16	9/22	10/03	10/29	11/06	28
30	4/10	3/08	3/24	4/23	4/25	29	10/25	9/23	10/03	11/11	11/15	28
28	4/02	3/08	3/20	4/18	4/21	29	11/02	10/08	10/12	11/17	11/25	28
24	3/24	2/22	3/08	4/10	4/19	30	11/14	10/13	10/25	12/02	12/06	29
20	3/16	2/08	2/22	3/31	4/07	30	11/23	10/24	11/07	12/07	12/17	30
16	3/03	2/08	2/10	3/20	3/25	30	12/08	11/13	11/19	12/18	12/23	30
Base	Length of Season (Days)											
Temp	Median	Shortest		10%		90%	Longest	#yrs				
32	184	150		162		207	210	28				
30	203	151		177		221	249	28				
28	213	176		188		236	250	28				
24	235	200		207		263	267	29				
20	252	228		229		277	298	30				
16	279	237		256		304	310	30				

## AVERAGE MAXIMUM TEMPERATURE

MT VERNON, IL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVERAGE
1895					77.6	88.0	86.2	89.4	84.4	65.0	57.3	48.1	
1896	46.7	49.2	51.7	74.7	82.8	85.2	89.2	89.1	79.3	67.7	58.1	50.4	68.7
1897	36.7	44.3	54.4	63.3	73.3	85.0	91.1	90.4	90.8	78.2*	57.6	41.0*	67.2**
1898	46.0	47.3	60.2	63.1*	78.3*	87.0*	89.3*	86.2*	83.2*	62.6	50.7	37.9	66.0**
1899	37.8	30.8	46.2	64.1	74.3	83.6	86.8	87.8	82.6	74.6	55.8	36.8	63.4
1900	40.6	35.6	50.3	65.4	78.5	83.8	88.7	94.2	85.0	77.6	54.3	42.9	66.4
1901	44.2	37.4	53.1	62.4*	77.8	93.4	100.8	92.5	85.0	74.5	55.1	37.6*	67.8**
1902	40.6M	35.2	55.9	65.7	83.4	83.5	90.4	89.2	78.6	74.3M	59.0M	40.7	66.4M
1903	39.0	42.7	59.3	68.0	80.0	80.3	91.8	89.0	82.3	69.2	51.9	38.7	66.0
1904	35.5	38.9	52.6	59.7M	76.2	82.4	87.0	86.0	82.5	70.9	60.7	44.8	64.8M
1905	34.1	36.2	63.0	68.8	78.4	88.6	86.8	89.9	83.3	69.8	59.4	44.6	66.9
1906	49.4	44.7	42.1M	71.8	81.1	85.3	90.9	93.5	87.9	70.9	55.0	45.7	68.2M
1907	48.1	44.6	64.3	57.3	73.6	82.6	91.6	88.5	83.0	70.7	56.8	47.5	67.4
1908	45.3	43.3	62.8	68.5	78.1M	88.5M	90.7	91.4	88.0	71.5	59.2	44.4	69.3M
1909	42.8	46.2	55.2	67.4	75.0	87.3	87.4	93.5	81.1	69.3	67.9	35.5	67.4
1910	42.2	38.6	70.5	67.3	73.2	85.4	88.8	86.5	81.8	73.5	56.2	39.0	66.9
1911	43.1	50.6	58.9	64.2	83.6	91.5	92.7	86.8	84.6	67.3	49.5	45.6	68.2
1912	28.4	34.3	43.9M	69.9	77.3	80.2	87.1	85.0	81.8	70.2	56.0	46.6*	63.4M**
1913	43.4	39.9	50.9	64.9	76.3	88.7	92.9	95.4	82.2M	65.5	58.4	46.5	67.1M
1914	45.0	35.3M	49.3	65.7M	80.2	93.6	96.8	89.5	79.4	67.1	58.5	35.2	66.3M
1915	35.6	45.7	46.5	73.1	74.9	81.2	88.1*	81.9	82.8	70.9	60.9	42.3M	65.3M**
1916	48.5	41.4	51.6M	63.8*	78.7*	80.2	93.7	90.0	80.5	70.6	58.4	42.8M	66.7M**
1917	46.2*	44.0	58.5	65.1	70.2M	83.7*	87.4	86.8M	82.8	63.8M	57.8M	34.1M	65.0M**
1918	26.8	48.3	66.2	61.3	79.3	84.6	87.0	93.1	73.6	69.1M	54.9*	51.8*	66.3M**
1919	47.7	45.6	58.9M	73.2	76.6	86.8*	93.2*	88.8*	87.0	73.4	54.2	40.4	68.8M**
1920	37.8M	43.6	56.2	62.6	74.6	85.9	89.4	87.1	84.5	77.1	55.0M	45.8	66.6M
1921	47.2	49.1	67.2	69.9	79.5	90.8	97.0	89.2	86.9	71.5	59.4	46.6	71.2
1922	39.4	44.0	56.6	70.2	80.0	89.1	89.9	90.4	88.0	74.5	59.0	47.2	69.0
1923	47.2	39.6	54.3	66.5	72.3	81.8	87.8	85.6	76.4	66.8	57.5	55.6	66.0
1924	38.9	44.3	47.8	69.7	69.3	82.1	83.5	87.1	77.5	77.2	57.1	41.5	64.7
1925	41.2	52.2	61.5	73.1	73.5	86.7	88.2	89.9	87.7	59.0	54.0	43.5	67.5
1926	44.1	48.6	50.3	62.5M	81.1	85.9	93.3	89.3	82.9	70.2	50.1	40.8	66.6M
1927	39.8	53.2	56.3	68.5	74.1	80.5	88.1	83.4	86.5	76.0	60.8	43.1	67.5
1928	42.0	45.1	56.1	62.8	76.4	77.8	88.7	85.5	77.0	70.0	53.7	45.2	65.0
1929	38.7	36.4	60.3	69.8	73.8	83.5	89.5	88.5	80.3	68.3	51.2	44.9	65.4
1930	34.8	53.8	55.8	71.9	78.5	87.1	97.8	92.6	82.2	66.8	55.5	42.6	68.3
1931	45.8	50.7	49.6	68.2	74.0	90.9	94.7	88.2	86.7	72.8	63.4	52.5	69.8
1932	48.4	54.2	49.5	68.8	79.1	89.6	94.2	89.4	81.0	68.9	51.5	43.5	68.2
1933	52.4	44.5	55.1	66.8	77.4	94.3	93.4	91.2	90.0	71.0	56.7	50.3	70.3
1934	46.6	41.9	53.5	69.1	83.3	94.5	96.3	87.5	77.4	72.3	57.7	39.6	68.3
1935	44.1	47.3	61.6	61.8	70.3	80.6	92.3	89.0	83.3	71.1	53.8	37.5	66.1
1936	35.1	37.0	61.9	63.8	84.4	91.9	101.2	100.1	86.8	70.4	54.2	48.7	69.6
1937	42.9	43.0	52.0	66.2	77.6	85.2	88.1	93.3	82.1	68.2	53.6	39.3	66.0
1938	42.0	54.0	63.7	69.6	78.5	84.1	93.2	93.3	86.7	80.2	60.1	45.9	70.9
1939	46.8	44.8	60.2	62.9	81.1	86.6	91.2	89.4	92.2	77.2	55.8	46.8	69.6
1940	25.8	39.3	53.7	67.0	76.2	88.7	93.6	92.5	86.9	80.5	54.0	48.8	67.3
1941	42.7	40.3	51.4	71.9	84.2	90.4	95.1	95.5	88.0	73.9	55.8	48.4	69.8
1942	41.2	41.2	60.7	71.8	79.1	87.4	92.2	88.7	83.2	72.8	58.0	41.3	68.1
1943	45.2	52.1	53.0	67.4	76.9	91.6	94.7	95.8	80.7	70.7	55.3	42.3	68.8
1944	46.9	50.0	53.7	68.1	84.4	93.1	96.3	91.4	85.5	76.7	55.6	37.6	69.9
1945	37.1	46.8	66.2	68.8	74.5	83.9	91.9	91.3	83.8	71.4	56.3	37.9	67.5

\* Mt Vernon data missing, McLeansboro data substituted.

\*\* Annual average calculated from Mt Vernon and McLeansboro data

M Monthly- less than 4 days missing. Annually- one or more months incomplete.

## AVERAGE MAXIMUM TEMPERATURE

MT VERNON IL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVERAGE
1946	43.4	51.9	70.2	73.4	75.3	90.5	95.7	86.9	85.4	77.3	61.0	52.1	71.9
1947	46.9	39.4	49.5	67.2	76.2	85.1	89.0	97.2	85.0	79.2	49.5	47.5	67.6
1948	36.5	44.6	57.1	72.6	77.4	88.9	90.9	91.0	84.1	69.3	58.1	47.8	68.2
1949	43.4	47.9	55.0	66.5	81.7	87.9	91.4	90.0	78.3	71.5	59.2	50.5	68.6
1950	50.3	47.3	52.5	64.1	79.1	86.2	87.3	83.4*	76.6	75.4	49.1	37.5	65.7**
1951	42.5	44.9	51.5	63.0	79.5M	82.9	86.7	86.6	77.1	71.8	47.9	44.0	64.9M
1952	46.5	50.5	53.7	66.2	76.2	91.8	91.7	88.5	82.5	68.4	56.2	44.6	68.1
1953	44.1	51.7	57.3	62.6	77.2	91.4	91.6	91.1	87.8	75.5	58.8	46.5	69.6
1954	42.8	54.9	55.6M	75.0	72.9	89.3	96.1*	89.5	86.5	69.0	56.3	43.2	69.3M**
1955	42.4	45.5	56.8	73.0	77.4	80.2	91.2	90.0	86.9	69.6	54.1	43.1	67.5
1956	40.5	47.3	57.6	64.9	77.9	85.1	85.9	86.2	79.6	75.5	55.2	49.3M	67.1M
1957	36.5M	49.1	53.8	68.6M	76.1	84.3	87.8M	88.1	79.4	65.6	54.0	51.5	66.2M
1958	39.6	35.8	46.2	66.9	78.2	82.6	85.8	86.5	79.5	69.9	60.0	39.0	64.2
1959	38.8	45.9	57.0	67.3	79.4	85.6	88.7	89.0	82.4	69.9M	49.9	47.5	66.8M
1960	42.0	38.7	39.0	70.5	73.5	84.9	86.9	89.3	87.6	71.3	56.1	38.6	64.9
1961	39.5	48.0	56.1	60.9	71.9	83.5	88.4	85.5	83.5	70.9	54.8	41.6	65.4
1962	36.9	48.4	49.9	64.5	85.1	85.1	87.3	87.8	77.8	72.8M	54.3	41.5	66.0M
1963	34.5	40.5	60.9	71.0	75.4	88.8	87.6	87.4	85.3	82.4	59.7	34.4	67.3
1964	46.0	44.4	55.7	69.9	80.7	86.8	89.6	88.5	82.4	69.1	61.1	43.2	68.1
1965	44.4	46.6	46.7	71.8	83.2	86.2	88.2	87.1	80.4	68.8	61.7	51.9	68.1
1966	35.8	42.5	58.3	63.6	75.5	86.8	94.5	85.7	76.3	66.6	58.0	44.1	65.6
1967	46.5	44.6	61.5	71.8	73.5	85.2	85.8	83.1	77.8	69.7	51.6	45.9	66.4
1968	38.6	40.1M	58.4	68.6	74.5	87.1	89.4	88.2	81.4	70.6	53.0	41.7	66.0M
1969	39.1	43.4	49.6	68.7	77.6	84.7	89.4	87.7	80.1	68.8M	52.6	39.4	65.1M
1970	34.7	43.3	50.2	69.7	81.2	83.5	89.1	87.1	85.6	68.3	54.6	48.5	66.3
1971	38.9	44.2	54.6	68.0	73.1M	89.4	86.1	87.8	85.4	78.4	57.6	50.9	67.9M
1972	42.0M	45.5	58.4	68.2	79.6M	86.7	87.3	85.9M	82.4	65.3	48.4	40.8	65.9M
1973	40.3	43.6	61.3*	62.3	73.3	86.9	91.3	90.3	82.6	75.0	57.9M	41.8	67.2M**
1974	41.8	46.5	58.2	67.0	75.5	81.4	92.8	86.0	73.7M	69.0	55.3	43.0	65.9M
1975	44.8	41.4	48.5	65.0	79.6	86.8	89.7	88.1	75.6	71.2	58.7	44.1	66.1
1976	37.7	53.4	62.9M	69.0	72.9	84.6	90.6	86.3	81.1	63.4	48.3	39.2	65.8M
1977	23.6M	41.3	58.8M	70.9	82.8	84.1	90.1M	84.5	80.6	66.3	54.5	40.7M	64.9M
1978	28.8	31.7	49.1	64.3	72.4*	85.5	89.3	88.7	83.3*	66.8*	59.4M	43.0	63.9M**
1979	26.3	33.5	52.1*	65.6	73.5*	86.5	86.1*	84.6*	81.0*	69.9*	54.5	47.5M	63.4M**
1980	40.2*	36.0	48.6	64.1	76.4	86.4	91.8*	93.6M	85.4	67.7*	53.1M	43.5	65.6M**
1981	38.3	46.5	54.4	73.6M	72.0M	86.2	88.1	85.2	77.9	65.8	58.9	39.4	65.5M
1982	34.6	38.4	57.8	62.3	79.8	80.1	87.5	84.3	77.5	69.7	55.0	49.9	64.7
1983	38.7	46.5	53.1	57.5	72.1	83.6	92.2	94.7	82.8	67.5	56.7	28.8	64.5
1984	34.8	47.7	44.2	61.4	72.6	89.0	88.4	89.3	78.6	71.1	54.4	50.9	65.2
1985	30.4	36.8	58.2	69.3*	74.8M	79.8	87.6*	82.6	79.6	70.5	55.9	35.7	63.4M**
1986	43.3	43.5	56.1	68.9	75.7	86.3	90.6	82.7	81.7	67.5	49.6	40.9	65.6
1987	36.5	45.8	57.7	65.9	81.1	86.9	86.7	87.5	82.5	62.3	59.0	43.7	66.3
1988	34.4	38.9	53.7	66.5	78.8	89.2	89.0	89.7	79.8	62.6	54.6	45.0	65.2
1989	46.3	36.1	52.5	65.8	71.2	82.3	85.5	85.7	75.8	70.0	53.9	29.6	62.9
1990	48.5	49.5	56.4	61.9	69.5	82.9	86.1	84.5	80.7	65.8	59.9	44.2	65.8
1991	32.1	45.9	55.7	66.5	77.7	85.4	88.5	88.0	78.8	68.7	47.7	44.8	65.0
1992	40.1	49.1	53.5	63.8	71.5	80.1	85.5	81.9	76.4	68.0	50.5	41.9	63.5
1993	38.9	39.5	47.2	59.7	73.6	81.1	88.1	85.8	73.4	64.8	49.8	40.9	61.9
1994	31.9	41.4	53.7	65.3	71.8	85.1	84.8	82.6	76.9	69.8	58.2	47.2	64.1

\* Mt Vernon data missing, McLeansboro data substituted.

\*\* Annual average calculated from Mt Vernon and McLeansboro data

M Monthly- less than 4 days missing. Annually- one or more months incomplete.

## AVERAGE MINIMUM TEMPERATURE

MT VERNON, IL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVERAGE
1895					53.3	64.4	65.9	64.5	62.0	37.2	34.6	30.5	
1896	29.0	29.1	31.7	52.7	60.3	63.8	68.1	65.6	54.5	44.2	36.9	31.8	47.3
1897	21.7	27.0	36.9	42.7	48.4	61.9	69.0	61.7	55.7	49.0*	37.1	28.5*	45.0**
1898	25.7	22.9	35.8	42.0*	57.1*	66.5*	68.3*	66.2*	63.6*	44.5	30.2	22.6	45.5**
1899	23.1	15.9	30.1	45.2	56.9	63.8	63.9	65.4	52.4	44.1	35.8	20.6	43.1
1900	24.3	17.0	29.1	41.5	52.5	61.1	65.0	66.9	60.0	48.3	32.7	25.4	43.7
1901	23.0	17.8	31.1	41.6*	52.5	64.9	69.6	61.6	55.5	42.5	32.3	22.7*	42.9**
1902	22.2	18.1	36.5	40.9	59.5	61.1	65.8	63.7	53.1	49.1	43.5	26.9	45.0
1903	24.0	28.8M	40.1	45.8	57.2	58.9	67.9	65.1	55.3	46.6	30.6	19.2	45.0M
1904	17.7	20.3	35.5	39.8	53.4	61.5	64.5	61.6	58.8	45.3	33.8	24.1	43.0
1905	16.9	14.7	37.9	42.4	55.8	62.7	63.9	64.2	59.2	43.8	34.6	26.1	43.5
1906	28.7	19.8	29.2	46.0	52.9	61.3	62.2	65.2	61.7	44.8	32.8	29.9	44.5
1907	28.9	24.2	40.4	37.9	49.1	59.6	66.9	64.7	55.6	41.5	30.9	30.7	44.2
1908	23.0	26.7	37.6	44.2	56.2M	62.2	64.9	64.4	57.4	42.4	34.7	27.0	45.1M
1909	24.9	25.4	32.6	40.9M	52.2	64.7	64.9	67.7	54.4	43.2	42.0	17.3	44.2M
1910	23.7	17.5	40.2	42.6	50.8	58.5	67.0	61.8	59.3	46.3	29.6	20.6	43.2
1911	24.9	28.0	34.0	43.1	56.9	65.3	64.9	64.2	63.0	47.3	29.0	29.9	45.9
1912	11.2	17.9	25.3	45.9	55.6	58.6	67.8	64.3	57.6	43.8	31.8	27.6*	42.3**
1913	25.4	19.2	29.2	43.1	53.7	63.1	67.8	67.6	57.1M	45.6M	39.5	32.4	45.3M
1914	30.0	16.6	30.6	44.7M	54.1M	66.4	68.0	65.9	57.1	48.5	34.9	21.4	44.9M
1915	18.3	31.5	28.1	47.6	53.1	60.3	65.7*	60.7	59.7	44.9	34.7	25.2	44.2**
1916	23.0	21.8	29.2M	43.9*	56.5*	58.3	68.2	67.1	55.5	44.8	35.6	22.6M	43.9M**
1917	25.3*	20.6	35.5	42.5	48.6M	60.6*	65.2	61.8M	55.8	38.9M	33.4M	15.9M	42.0M**
1918	6.5	24.2	37.6	41.5	57.3	63.1	63.2	67.1	49.1	49.8	36.7*	35.3*	44.3**
1919	25.6	27.0	35.6M	45.9	52.9	66.1*	67.6*	63.7*	58.0	51.9	33.6	20.8	45.7M**
1920	19.5	25.4	34.5	40.9	53.9	60.4	63.1	61.7	59.0	46.6	33.5	29.1	44.0
1921	30.0	31.8	42.9	45.4	54.5	66.0	68.5	65.0	63.7	43.2	37.2	30.3	48.2
1922	22.2	28.1	37.9	46.0	57.0	64.2	64.9	63.2	58.3	46.9	37.7	26.4	46.1
1923	31.3	22.5	31.3	41.9	52.9	64.1	65.8	65.6	57.9	41.7	37.9	35.0	45.7
1924	18.2	26.5	30.4M	45.1	47.7	61.6	60.5	65.9	53.6	46.9	34.5	21.3	42.7M
1925	22.7	31.1	35.5	49.3	48.4	65.6	67.2	62.3	64.6	44.6	33.0M	24.8	45.8M
1926	25.2	31.5	29.5	38.3	54.2	58.4	66.3	66.1	61.6	46.2	29.2	24.5	44.3
1927	23.1	33.5	38.3	47.5	54.1	59.0	63.0	58.0	59.5	46.3	38.2	22.5	45.3
1928	24.3M	27.2	32.6	40.9	51.9	58.5	66.2	65.1	50.1	48.0	36.5	27.0	44.0M
1929	19.0	17.9	39.5	47.1	51.4	59.2	66.5	60.8	56.0	45.8	31.3	27.0	43.5
1930	16.6	33.6	31.2	46.5	53.1	59.5	66.4	62.8	58.7	43.6	35.5	26.6	44.5
1931	26.6	30.1	31.0	43.4	49.6	63.5	66.5	64.0M	63.1	50.3	44.6	35.2	47.3M
1932	31.5	33.8	28.8	45.4	52.7	63.4	67.0	65.2	57.0	44.7	30.7	25.5	45.5
1933	32.3	23.8	34.9	44.3	58.1	63.9	67.2	62.7	63.8	45.0	33.6	30.9	46.7
1934	28.5	20.5	30.6	43.9	53.8	66.5	70.4	66.1	55.6	46.6	39.5	25.8	45.7
1935	26.0	29.1	41.9	43.2	51.9	59.9	68.1	66.4	54.0	46.6	35.6	20.6	45.3
1936	17.0	16.0	37.3	39.5	54.8	60.5	71.7	70.5	64.3	47.0	30.8	29.1	44.9
1937	25.5	26.2	31.2	45.4	54.5	64.1	64.2	67.6	55.6	44.8	31.6	25.8	44.7
1938	24.2	34.7	42.4	46.6	54.2	61.8	67.0	67.9	58.5	45.7	33.5	26.1	46.9
1939	28.9	23.3	34.6	41.4	55.6	64.9	68.1	64.6	60.9	47.2	31.6	27.0	45.7
1940	8.4	27.4	33.4	43.7	51.6	63.7	64.7	66.4	55.5	48.2	33.4	31.5	44.0
1941	27.7	23.9	29.3	48.4	55.5	62.7	67.2	67.3	60.0	52.7	34.5	31.6	46.7
1942	21.0	25.5	36.4	47.4	54.3	64.1	67.1	63.6	56.5	46.5	38.5	24.1	45.4
1943	24.2	26.2	28.1	43.3	56.0	65.6	67.5	66.9	53.0	43.6	31.1	21.5	43.9
1944	24.9	27.8	30.5	42.8	57.6	64.1	62.9	64.1	56.5	43.8	37.8	19.5	44.4
1945	19.4	25.9	42.1	44.0	48.5	59.3	61.3	61.5	58.2	41.3	35.6	19.0	43.0

\* Mt Vernon data missing, McLeansboro data substituted.

\*\* Annual average calculated from Mt Vernon and McLeansboro data.

M Monthly less than 4 days missing. Annually- one or more months are incomplete.

## AVERAGE MINIMUM TEMPERATURE

MT VERNON, IL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVERAGE
1946	22.2	26.9	43.8	44.5	49.5	61.1	63.5	58.8	53.2	43.6	35.3	27.6	44.2
1947	25.5	16.5	25.4	43.7	49.5	61.4	61.0	68.7	55.6	49.9	31.7	26.1	42.9
1948	14.7	23.2	33.7	45.0	49.3	59.4	63.4	60.3	54.5	39.4	35.3	27.5	42.1
1949	24.2	25.2	29.9	39.7	49.9	61.6	66.0	60.6	47.8	46.7	31.0	27.9	42.5
1950	27.7	27.0	30.1	42.2	57.2	63.7	64.7	62.0*	56.9	50.7	29.1	18.9	44.2**
1951	25.1	26.7	32.5	41.4	53.2	62.7	66.4	64.4	54.6	48.5	29.5	26.9	44.3
1952	28.4	31.2	33.1	43.7	53.4	67.6	67.0	63.5	54.3	38.3	35.6	30.4	45.5
1953	29.3	29.4	36.5	41.6	56.1	68.0	66.0	63.2	55.4	46.5	34.1	25.9	46.0
1954	22.9M	32.2	31.7M	49.2	49.4	64.4	67.7*	68.0	59.9	48.2M	36.3	29.3	46.6M**
1955	25.0	27.5	35.0	51.0	56.1	58.7	70.4	66.2	58.8	46.3	31.1	24.4	45.9
1956	21.3	30.6	33.5	41.4	55.6M	61.3	65.6	64.5	52.8	46.8	31.7	32.2	44.8M
1957	20.0	31.4	34.1	48.9	54.8	64.7	67.6M	65.5	58.2	44.4	34.0	32.3	46.3M
1958	24.9	16.6	32.4	45.1	54.0	60.3	67.5	66.2	59.1	45.5	38.1	21.5	44.3
1959	19.2	27.0	34.3	45.6	59.8	63.2	65.9	69.3	60.0	46.4M	29.3	33.2	46.1M
1960	28.5	25.2	22.0	47.1	51.6	62.7	64.8	66.7	61.1	48.1	34.8	22.8	44.6
1961	18.3	28.6	38.7	41.5	48.8	59.7	65.8	65.0	60.4	48.1	36.6	26.0	44.8
1962	18.1	28.6	32.2	42.5	61.0	63.7	66.4	63.2	56.5	52.0M	36.1	22.2	45.2M
1963	14.5	18.4	37.9	47.2	52.9	62.6	65.2	63.5	55.2	50.2	37.8	14.9	43.4
1964	24.6	24.9	34.1	49.3	57.0	64.7	66.4	63.9	56.7	40.1	37.7	25.5	45.4
1965	24.2	23.8	27.1	47.0	58.2	63.0	65.0	62.5	59.2	44.3	39.2	33.3	45.6
1966	18.7	24.8	35.7	43.3M	50.6	59.6	67.9	62.4	56.1	42.2	37.1	27.3	43.8M
1967	27.1	22.1	39.2	48.7	52.5	62.8	62.9	58.8	53.9	45.1	33.1	28.0M	44.5M
1968	20.5	20.2M	34.2	45.0	51.6	63.2	66.2	66.3	55.9M	43.9	37.6	25.3	44.2M
1969	22.1	28.6	27.6	45.6	53.2	61.9	68.5	62.6	56.6	45.0M	31.9	24.5	44.0M
1970	13.4	22.7	32.7	46.4	56.0	61.7	65.0	65.6	62.3	46.7	34.6	29.2	44.7
1971	19.5	24.8	31.4	42.9	49.6M	66.3	64.5	63.2	61.3	52.8	36.2	35.5	45.7
1972	22.4M	25.2	34.9	45.6	54.9M	59.8	65.1	63.9M	61.6	46.3	35.0	25.8	45.0M
1973	23.8	25.4	40.7*	45.5	50.2	63.4	68.5	65.7	61.2	49.9	39.9M	26.9	46.8M**
1974	25.7	25.3	36.0M	45.0	54.1	58.9	67.7	64.2	53.6M	42.3	37.9	28.4	44.9M
1975	26.0	26.5	30.2	42.8	58.0M	63.8	65.5	67.5	54.4	44.4	38.5	27.6	45.4M
1976	19.1	29.4	39.9	43.2	47.2	62.0	65.1	61.0	53.2	37.8	24.4	18.6	41.7
1977	1.8	19.8M	38.9M	48.6	57.0	63.2	70.9	66.7	62.4	46.0M	40.2	23.5	44.9M
1978	11.0M	12.1	28.6	45.7	52.1*	61.1	65.4	62.3M	58.4*	39.8*	36.9M	24.4M	41.5M**
1979	9.7	11.6	34.3*	44.2	50.7*	59.3	66.1*	63.4*	53.8*	43.7*	33.1	26.5	41.4**
1980	24.1*	17.3	30.0	41.4	52.0M	59.8	69.0*	67.5M	56.1	40.4*	32.6	24.0	42.9M**
1981	16.8	22.1	30.5	49.7	50.3	63.6M	66.4	62.1	54.3	42.7	36.1	21.0	43.0M
1982	13.2	18.4	34.4	38.0	55.5	56.4	66.5	60.0	54.5	43.1	36.8	34.4	42.6
1983	24.2	26.4	34.2	39.1	49.0	58.9	66.2	65.5	54.0	45.8	36.8	13.5	42.8
1984	15.5	26.5	28.5	42.8	49.1	64.1	61.9	62.7	54.8	51.8	32.4	30.5	43.4
1985	12.2	18.2	37.3	49.0*	53.2M	61.2	65.1*	62.6	55.4	47.3	38.7	15.8	43.0M**
1986	18.8	26.1	33.8	45.8	56.1	63.7	68.7	60.0	60.0	46.0	33.5	25.1	44.8
1987	21.2	26.5	35.5	41.4	57.0	63.8	66.9	64.6	54.7	36.8	39.1	27.9	44.6
1988	17.9	20.6	32.9	40.0	49.7	59.0	65.9	66.4	55.9	37.1	33.2	21.5	41.7
1989	26.9	20.4	33.0	41.9	48.4	61.4	66.3	63.7	54.0	43.6	32.1	8.8	41.7
1990	28.9	29.5	37.1	40.7	51.0	62.3	64.8	62.1	57.6	40.4	37.2	25.0	44.7
1991	21.0	26.9	36.5	48.4	60.1	65.7	67.6	64.7	57.1	45.5	32.5	27.8	46.2
1992	25.9	29.9	33.6	43.7	51.6	59.0	68.0	59.5	55.2	41.2	37.4	24.3	44.1
1993	23.6	19.5M	30.4	41.3	53.5	62.7	71.1	66.5	54.3	40.7	33.3	27.6	43.7M
1994	16.6	23.5	31.5	44.0	47.7	64.6	65.4	60.2	52.9	45.8	40.0	27.7	43.3

\* Mt Vernon data missing, McLeansboro data substituted.

\*\* Annual average calculated from Mt Vernon and McLeansboro data.

M Monthly- less than 4 days missing. Annually- one or more months are incomplete.

## AVERAGE TEMPERATURE

MT VERNON, IL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVERAGE
1895					65.4	76.2	76.0	77.0	73.2	51.1	46.0	39.3	
1896	37.8	39.2	41.7	63.7	71.6	74.5	78.6	77.4	66.9	56.0	47.5	41.1	58.0
1897	29.2	35.7	45.6	53.0	60.8	73.5	80.0	76.0	73.2	68.6*	47.4	34.8*	56.5**
1898	35.8	35.1	48.0	52.6*	67.7*	76.8*	78.8*	76.2*	73.4*	53.6	40.4	30.4	55.7**
1899	30.4	23.4	38.2	54.6	65.6	73.7	75.4	76.6	67.5	59.4	45.8	28.7	53.3
1900	32.4	26.3	39.7	53.4	65.5	72.4	76.8	80.6	72.5	63.0	43.5	34.2	55.0
1901	33.6	27.6	42.1	52.0*	65.2	79.2	85.2	77.1	70.3	58.5	43.7	30.2*	55.4**
1902	31.4M	26.7	46.2	53.3	71.5	72.3	78.1	76.5	65.9	61.7M	51.3M	33.8	55.7M
1903	31.5	35.8M	49.7	56.9	68.6	69.6	79.9	77.1	68.8	57.9	41.3	29.0	55.5M
1904	26.6'	29.6	44.1	49.8M	64.8	72.0	75.8	73.8	70.7	58.1	47.3	34.5	53.9M
1905	25.5	25.5	50.5	55.6	67.1	75.7	75.4	77.1	71.3	56.8	47.0	35.4	55.2
1906	39.1	32.3	35.7M	58.9	67.0	73.3	76.6	79.4	74.8	57.9	43.9	37.8	56.4M
1907	38.5	34.5	52.4	47.6	61.4	71.1	79.3	76.6	69.3	56.1	43.9	39.1	55.8
1908	34.2	35.0	50.2	56.4	67.2M	75.4M	77.8	77.9	72.7	57.0	47.0	35.7	57.2M
1909	33.9	35.9	43.9	54.2M	63.6	76.0	76.2	80.6	67.8	56.3	55.0	26.4	55.8M
1910	33.0	28.1	55.4	55.0	62.0	72.0	77.9	74.2	70.6	59.9	42.9	29.8	55.1
1911	34.0	39.3	46.5	53.7	70.3	78.4	78.8	75.5	73.8	57.3	39.3	37.8	57.1
1912	19.8	26.1	34.6M	57.9	66.5	69.4	77.5	74.7	69.7	57.0	43.9	37.1*	52.9M**
1913	34.4	29.6	40.1	54.0	65.0	75.9	80.4	81.5	69.7M	55.6M	49.0	39.5	56.2M
1914	37.5	26.0M	40.0	55.2M	67.2M	80.0	82.4	77.7	68.3	57.8	46.7	28.3	55.6M
1915	27.0	38.6	37.3	60.4	64.0	70.8	76.9*	71.3	71.3	57.9	47.8	33.8M	54.8M**
1916	35.8	31.6	40.4M	53.9*	67.6*	69.3	81.0	78.6	68.0	57.7	47.0	32.7M	55.3M**
1917	35.8*	32.3	47.0	53.8	59.4M	72.2*	76.3	74.3M	69.3	51.4M	45.6M	25.0M	53.5M**
1918	16.7	36.3	51.9	51.4	68.3	73.9	75.1	80.1	61.4	59.5M	45.8*	43.6*	55.3M**
1919	16.7	36.3	47.3M	59.6	64.8	76.5*	80.4*	76.3*	72.5	62.7	43.9	30.6	57.3M**
1920	28.7M	34.5	45.4	51.8	64.3	73.2	76.3	74.4	71.8	61.9	44.3M	37.5	55.3M
1921	38.6	40.5	55.1	57.7	67.0	78.4	82.8	77.1	75.3	57.4	48.3	38.5	59.7
1922	30.8	36.1	47.3	58.1	68.5	76.7	77.4	76.8	73.2	60.7	48.4	36.8	57.6
1923	39.3	31.1	42.8	54.2	62.6	73.0	76.8	75.6	67.2	54.3	47.7	45.3	55.8
1924	28.6	35.4	39.1M	57.4	58.5	71.9	72.0	76.5	65.6	62.1	45.8	31.4	53.7M
1925	32.0	41.7	48.5	61.2	61.0	76.2	77.7	76.1	76.2	51.8	43.5M	34.2	56.7M
1926	34.7	40.1	39.9	50.4M	67.7	72.2	79.8	77.7	72.3	58.2	39.7	32.7	55.5M
1927	31.5	43.4	47.3	58.0	64.1	69.8	75.6	70.7	73.0	61.2	49.5	32.8	56.4
1928	33.2M	36.2	44.4	51.9	64.2	68.2	77.5	75.3	63.6	59.0	45.1	36.1	54.6M
1929	28.9	27.2	49.9	58.5	62.6	71.4	78.0	74.7	68.2	57.1	41.3	36.0	54.5
1930	25.7	43.7	43.5	59.2	65.8	73.3	82.1	77.7	70.5	55.2	45.5	34.6	56.4
1931	36.2	40.4	40.3	55.8	61.8	77.2	80.6	76.1M	74.9	61.6	54.0	43.9	58.6M
1932	40.0	44.0	39.2	57.1	65.9	76.5	80.6	77.3	69.0	56.8	41.1	34.5	56.8
1933	42.4	34.2	45.0	55.6	67.8	79.1	80.3	77.0	76.9	58.0	45.2	40.6	58.5
1934	37.6	31.2	42.1	56.5	68.6	80.5	83.4	76.8	66.5	59.5	48.6	32.7	57.0
1935	35.1	38.2	51.8	52.5	61.1	70.3	80.2	77.7	68.7	58.9	44.7	29.1	55.7
1936	26.1	26.5	49.6	51.7	69.6	76.2	86.5	85.3	75.6	58.7	42.5	38.9	57.3
1937	34.2	34.6	41.6	55.8	66.1	74.7	76.2	80.5	68.9	56.5	42.6	32.6	55.4
1938	33.1	44.4	53.1	58.1	66.4	73.0	80.1	80.6	72.6	63.0	46.8	36.0	58.9
1939	37.9	34.1	47.4	52.2	68.4	75.8	79.7	77.0	76.6	62.2	43.7	36.9	57.7
1940	17.1	33.4	43.6	55.4	63.9	76.2	79.2	79.5	71.2	64.4	43.7	40.2	55.7
1941	35.2	32.1	40.4	60.2	69.9	76.6	81.2	81.4	74.0	63.3	45.2	40.0	58.3
1942	31.1	33.4	48.6	59.6	66.7	75.8	79.7	76.2	69.9	59.7	48.3	32.7	56.8
1943	34.7	39.2	40.6	55.4	66.5	78.6	81.1	81.4	66.9	57.2	43.2	31.9	56.4
1944	35.9	38.9	42.1	55.5	71.0	78.6	79.6	77.8	71.0	60.3	46.7	28.6	57.2
1945	28.3	36.4	54.2	56.4	61.5	71.6	76.6	76.4	71.0	56.4	46.0	28.5	55.3

\* Mt Vernon data missing, McLeansboro data substituted

\*\* Annual average calculated from Mt Vernon and McLeansboro data

M Monthly- less than 4 days missing. Annually- one or more months incomplete.



## AVERAGE TEMPERATURE

MT VERNON, IL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL AVERAGE
1946	32.8	39.4	57.0	59.0	62.4	75.8	79.6	72.9	69.3	60.5	48.2	39.9	58.1
1947	36.2	28.0	37.5	55.5	62.9	73.3	75.0	83.0	70.3	64.6	40.6	36.8	55.3
1948	25.6	33.9	45.4	58.8	63.4	74.2	77.2	75.7	69.3	54.4	46.7	37.7	55.2
1949	33.8	36.6	42.5	53.1	65.8	74.8	78.7	75.3	63.1	59.1	45.1	39.2	55.6
1950	39.0	37.2	41.3	53.2	68.2	75.0	76.0	72.7*	66.8	63.1	39.1	28.2	55.0**
1951	33.8	35.8	42.0	52.2	66.4M	72.8	76.6	75.5	65.9	60.2	38.7	35.5	54.6M
1952	37.5	40.9	43.4	55.0	64.8	79.7	79.4	76.0	68.4	53.4	45.9	37.5	56.8
1953	36.7	40.6	46.9	52.1	66.7	79.7	78.8	77.2	71.6	61.0	46.5	36.2	57.8
1954	32.9M	43.6	43.7M	62.1	61.2	76.9	81.9*	78.8	73.2	58.6M	46.3	36.3	58.0M**
1955	33.7	36.5	45.9	62.0	66.8	69.5	80.8	78.1	72.9	58.0	42.6	33.8	56.7
1956	30.9	39.0	45.6	53.2	66.8M	73.2	75.8	73.4	66.2	61.2	43.5	40.8M	55.8M
1957	28.3M	40.3	44.0	58.8M	65.5	74.5	77.7M	76.8M	68.8	55.0	44.0	41.9	56.3M
1958	32.3	26.2	39.3	56.0	66.1	71.5	76.7	76.4	69.3	57.7	49.1	30.3	54.2
1959	29.0	36.5	45.7	56.5	69.6	74.4	77.3	79.2	71.2	58.2M	39.6	40.4	56.5M
1960	35.3	32.0	30.5	58.8	62.6	73.8	75.9	78.0	74.4	59.7	45.5	30.7	54.8
1961	28.9	38.3	47.4	51.2	60.4	71.6	77.1	75.3	72.0	59.5	45.7	33.8	55.1
1962	27.5	38.5	41.1	53.5	73.1	74.4	76.9	75.5	67.2	62.4M	45.2	31.9	55.6M
1963	24.5	29.5	49.4	59.1	64.2	75.7	76.4	75.5	70.3	66.3	48.8	24.7	55.4
1964	35.3	34.7	44.9	59.6	68.9	75.8	78.0	76.2	69.6	54.6	49.4	34.4	56.8
1965	34.3	35.2	36.9	59.4	70.7	74.6	76.6	74.8	69.8	56.6	50.5	42.6	56.8
1966	27.3	33.7	47.0	53.5M	63.1	73.2	81.2	74.1	66.2	54.4	47.6	35.7	54.8M
1967	36.8	33.4	50.4	60.3	63.0	74.0	74.4	71.0	65.9	57.4	42.4	37.0M	55.5M
1968	29.6	30.2M	46.3	56.8	63.1	75.2	77.8	77.3	68.7M	57.3	45.3	33.5	55.1M
1969	30.6	36.0	38.6	57.2	65.4	73.3	79.0	75.2	68.4	56.9M	42.3	32.0	54.6M
1970	24.1	33.0	41.5	58.1	68.6	72.6	77.1	76.4	74.0	57.5	44.6	38.9	55.5
1971	29.2	34.6	43.0	55.5	61.4M	77.9	75.3	75.5	73.4	65.6	46.9	43.2	56.8M
1972	32.2M	35.4	46.7	56.9	67.3M	73.3	76.2	74.9M	72.0	55.8	41.7	33.3	55.5M
1973	32.1	34.5	51.0*	53.9	61.8	75.2	79.9	78.0	71.9	62.5	48.9M	34.4	57.0M**
1974	33.8	35.9	47.1M	56.0	64.8	70.2	80.3	75.1	63.7M	55.7	46.6	35.7	55.4M
1975	35.4	34.0	39.4	53.9	68.8M	75.3	77.6	77.8	65.0	57.8	48.6	35.9	55.8M
1976	28.4	41.4	51.4M	56.1	60.1	73.3	77.9	73.7	67.2	50.6	36.4	28.9	53.8M
1977	12.7M	30.6M	48.9M	59.8	69.9	73.7	80.5M	75.6	71.5	56.2M	47.4	32.1M	54.9M
1978	19.9M	21.9	38.9	57.0	62.3*	73.3	77.4	75.5M	70.9*	53.3*	48.2M	33.7M	52.7M**
1979	18.0	22.6	43.2*	54.9	62.1*	72.9	76.1*	74.0*	67.4*	56.8*	43.8	37.0M	52.4M**
1980	32.2*	26.7	39.3	52.8M	64.2	73.1	80.4*	80.6M	70.8	54.1*	42.9M	33.8	54.2M**
1981	27.6	34.3	42.5	61.7M	61.2M	74.9M	77.3	73.7	66.1	54.3	47.5	30.2	54.3M
1982	23.9	28.4	46.1	50.2	67.7	68.3	77.0	72.2	66.0	56.4	45.9	42.2	53.7
1983	31.5	36.5	43.7	48.3	60.6	71.3	79.2	80.1	68.4	56.7	46.8	21.2	53.7
1984	25.2	37.1	36.4	52.1	60.9	76.6	75.2	76.0	66.7	61.5	43.4	40.7	54.3
1985	21.3	27.5	47.8	59.2*	64.0M	70.5	76.4*	72.6	67.5	58.9	47.3	25.8	53.2M**
1986	31.1	34.8	45.0	57.4	65.9	75.0	79.7	71.4	70.9	56.8	41.6	33.0	55.2
1987	28.9	36.2	46.6	53.7	69.1	75.4	76.8	76.1	68.6	49.6	49.1	35.8	55.5
1988	26.2	29.8	43.3	53.3	64.3	74.1	77.5	78.1	67.9	49.9	43.9	33.3	53.5
1989	36.6	28.3	42.8	53.9	59.8	71.9	75.9	74.7	64.9	56.8	43.0	19.2	52.3
1990	38.7	39.5	46.8	51.3	60.3	72.6	75.5	73.3	69.2	53.1	48.6	34.6	56.3
1991	26.6	36.4	46.1	57.5	68.9	75.6	78.1	76.4	68.0	57.1	40.1	36.3	55.6
1992	33.0	39.5	43.6	53.8	61.6	69.6	76.8	70.7	65.8	54.6	44.0	33.1	53.8
1993	31.3	29.5M	38.8	50.5	63.6	71.9	79.6	76.2	63.9	52.8	41.6	34.3	52.8M
1994	24.3	32.5	42.6	54.7	59.8	74.9	75.1	71.4	64.9	57.8	49.1	37.5	53.7

\* Mt Vernon data missing, McLeansboro data substituted

\*\* Annual average calculated from Mt Vernon and McLeansboro data

M Monthly- less than 4 days missing. Annually- one or more months incomplete.

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTAL
1895					107	336	341	372	246	0	0	0	
1896	0	0	0	79	205	285	422	384	130	0	0	0	1,505
1897	0	0	0	0	31	255	465	341	246	159	0	0	1,497
1898	0	0	0	0	144	354	428	348	252	0	0	0	1,526
1899	0	0	0	0	110	261	322	360	140	8	0	0	1,201
1900	0	0	0	0	108	222	366	484	225	67	0	0	1,472
1901	0	0	0	9	100	430	635	381	204	12	0	0	1,775
1902	0	0	0	17	232	239	411	364	101	46	0	0	1,410
1903	0	0	10	19	186	165	467	381	185	49	0	0	1,462
1904	0	0	0	0	87	217	341	282	197	31	0	0	1,155
1905	0	0	5	15	119	329	330	378	201	35	0	0	1,412
1906	0	0	0	45	145	261	368	453	304	13	0	0	1,589
1907	0	0	51	4	61	220	450	369	188	26	0	0	1,369
1908	0	0	0	21	136	312	404	412	266	26	0	0	1,577
1909	0	0	0	0	83	337	355	494	161	36	15	0	1,481
1910	0	0	45	19	56	253	407	295	192	68	0	0	1,335
1911	0	0	0	4	252	410	432	336	277	39	0	0	1,750
1912	0	0	0	16	130	153	393	313	239	27	0	0	1,271
1913	0	0	0	20	95	359	483	519	174	0	2	0	1,652
1914	0	0	0	0	136	459	549	401	148	23	0	0	1,716
1915	0	0	0	74	81	193	378	213	243	3	3	0	1,188
1916	0	0	0	10	157	143	503	432	175	24	0	0	1,444
1917	0	0	3	21	0	244	353	288	174	0	0	0	1,095
1918	0	0	4	4	187	277	323	468	36	10	0	0	1,309
1919	0	0	0	53	96	352	484	355	240	86	0	0	1,666
1920	0	0	3	4	92	260	357	300	229	64	0	0	1,309
1921	0	0	20	30	163	410	559	381	325	6	0	0	1,894
1922	0	0	0	21	135	354	392	373	264	65	1	0	1,605
1923	0	0	0	5	53	257	373	342	117	6	0	0	1,153
1924	0	0	0	32	9	232	228	364	89	49	2	0	1,005
1925	0	0	3	68	68	340	399	352	346	25	0	0	1,601
1926	0	0	0	0	145	228	467	402	273	53	0	0	1,568
1927	0	0	1	20	81	170	337	187	297	44	3	0	1,240
1928	0	0	5	7	64	136	392	325	104	56	0	0	1,089
1929	0	0	18	35	106	216	411	306	151	1	0	0	1,244
1930	0	1	0	53	92	268	537	403	191	39	1	0	1,585
1931	0	0	0	17	76	386	493	344	323	63	9	0	1,711
1932	0	2	0	23	106	351	491	388	158	9	0	0	1,528
1933	0	0	3	13	148	436	479	376	368	24	0	0	1,847
1934	0	0	0	19	140	469	579	378	111	27	0	0	1,723
1935	0	0	8	16	48	180	478	406	156	43	0	0	1,335
1936	0	0	0	23	182	347	671	640	349	43	3	0	2,258
1937	0	0	0	18	110	298	356	487	181	0	0	0	1,450
1938	0	0	7	34	121	245	478	491	274	76	6	0	1,732
1939	0	0	5	2	163	332	460	381	364	97	0	0	1,804
1940	0	0	5	32	79	342	446	456	246	78	0	0	1,684
1941	0	0	0	51	207	356	508	517	297	98	0	0	2,034
1942	0	0	3	56	126	339	461	355	256	36	6	0	1,638
1943	0	0	0	22	106	420	506	515	131	18	0	0	1,718
1944	0	0	0	0	264	422	462	406	196	60	3	0	1,813
1945	0	0	17	7	68	236	365	360	219	3	1	0	1,276

\* Mt Vernon data missing, McLeansboro data substituted.

\*\* Annual total calculated from Mt Vernon and McLeansboro data.

Degree days based on mean monthly temperature, as opposed to daily accumulated values.

Annual total calculated from values based on mean monthly temperature and daily accumulated values.

\*\* Annual total calculated from values based on mean monthly temperature from Mt Vernon and McLeansboro

^ Annual total calculated from daily accumulated values from Mt Vernon and McLeansboro, and from values based on mean monthly temperature from Mt Vernon.

M Monthly- less than 4 days missing. Annually- one or more months are incomplete.

## COOLING DEGREE DATS

MT VERNON, IL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTAL
1946	0	0	10	34	34	349	458	258	168H	34	2	0	1,347H
1947	0	0	0	12	65	261	320	564	235	78	0	0	1,535
1948	0	0	11	46	43	281	382	337	168	0	0	3	1,271
1949	0	0	0	2	84	300	432	328	52	40	0	0	1,238
1950	3	0	1	18	140	307	347	248*	108	71	2	0	1,245**
1951	0	0	0	35	123H	250	366	331	87	54	0	0	1,246H
1952	0	0	0	18	99	450	451	351	153	18	2	0	1,542
1953	0	0	0	11	135	449	433	383	229	70	0	0	1,710
1954	0H	2	2H	78	64	373	532*	438	272	91H	0	0	1,852H**
1955	0	0	1	40	94	163	498	412	251	24	4	0	1,487
1956	0	0	5H	28	139H	278	342	332	107	17	0	0H	1,248H
1957	0H	0	0	76H	99	296	399H	375	149	3	0	0	1,397H
1958	0	0	0	4	104	205	369	362	172	19	5	0	1,240
1959	0	0	0	22	200	291	388	445	213	41	0H	0	1,600H
1960	0	0	2	40	84	271	347	409	288	31	0	0	1,472
1961	0	0	0	19	37	216	383	325	249	35	8	0	1,272
1962	0	0	0	28	264	290	376	334	135	80H	0	0	1,507H
1963	0	0	8	47	82	327	362	330	184	107	0	0	1,447
1964	0	0	0	35	162	337	411	359	185	4	7	0	1,500
1965	0	0	0	53	194	292	370	317	187	20	0	0	1,433
1966	0	0	7	5H	70	263	509	289	104	6	6	0	1,259H
1967	0	0	20	66	76	293	301	201	105	38	0	0H	1,100H
1968	0	0H	6	9	54	317	407	348	158H	46	2	0	1,387H
1969	0	0	0	14	95	271	441	322	136	43H	0	0	1,322H
1970	0	0	0	38	166	240	382	361	298	11	0	0	1,496
1971	0	0	0	28	28H	395	328	338	279	75	5	0	1,476H
1972	0H	0	5	26	138H	262	355	317H	236	12	0	0	1,351H
1973	0	0	0*	13	46	315	469	410	237	74	0H	0	1,564H**
1974	0	0	13H	33	103	172	482	318	81H	11	15	0	1,228H
1975	0	0	0	9	162H	321	398	405	125	26	6	0	1,452H
1976	0	3	1H	48	34	256	405	275	106	15	0	0	1,143H
1977	0H	0H	3H	60	205	271	484H	338	210	4H	1	0H	1,576H
1978	0H	0	0	8	95*	254	388	338H	211*	1*	0H	0H	1,295H**
1979	0	0	0*	2	66*	246	353*	299*	129*	45*	0	0H	1,140H**
1980	0*	0	0	13H	88	256	485*	487H	123	27*	0H	0	1,479H**
1981	0	0	1	59H	44H	320H	388	274	108	15	1	0	1,210H
1982	0	0	2	3	124	123	382	230	99	40	8	2	1,013
1983	0	0	1	2	25	218	447	475	197	17	0	0	1,342
1984	0	0	0	13	40	356	321	352	154	58	1	0	1,295
1985	0	0	3	53*	84H	187	358*	243	179	39	1	0	1,147H*
1986	0	0	3	19	111	308	461	224	210	30	0	0	1,366
1987	0	0	0	13	172	323	375	349	143	0	8	0	1,383
1988	0	0	1	1	69	298	395	419	128	8	0	0	1,319
1989	0	0	4	49	48	224	348	312	107	24	0	0	1,116
1990	0	0	17	32	22	250	339	269	186	9	1	0	1,125
1991	0	0	8	19	181	323	409	360	220	29	0	0	1,549
1992	0	0	0	22	52	165	372	195	108	8	0	0	922
1993	0	0H	2	0	67	242	462	355	63	5	0	0	1,196H
1994	0	0	0	22	33	312	322	210	85	21	3	0	1,008

\* Mt Vernon data missing, McLeansboro data substituted.

\*\* Annual total calculated from Mt Vernon and McLeansboro data.

Degree days based on mean Monthly temperature, as opposed to daily accumulated values.

Annual total calculated from values based on mean monthly teiperature and daily accuiulated values.

\*\* Annual total calculated from values based on mean monthly teiperature from Mt Vernon and McLeansboro

Annual total calculated from daily accuiulated values from Mt Vernon and McLeansboro, and from values based on mean Monthly temperature from Mt Vernon.

M Monthly- less than 4 days missing. Annually- one or more months are incomplete.

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	SEASONAL TOTAL
1894-1895												93	0
1895-1896	0	0	0	431	570	797	843	748	722	121	0	0	4,232
1896-1897	0	0	70	279	525	741	1,110	820	601	360	169	0	4,675
1897-1898	0	0	0	414	528	936	905	837	527	372	56	0	4,202
1898-1899	0	0	0	353	738	1,073	1,073	1,165	831	312	90	0	5,635
1899-1900	0	0	60	192	576	1,125	1,011	1,084	784	348	92	0	5,272
1900-1901	0	0	0	133	645	955	966	1,040	704	391	87	0	4,921
1901-1902	0	0	40	204	631	1,072	1,042	1,066	577	361	24	10	5,027
1902-1903	0	0	67	154	411	962	1,033	818	477	255	64	20	4,261
1903-1904	0	1	64	262	707	1,110	1,181	1,019	641	456	84	1	5,526
1904-1905	0	0	18	237	527	942	1,217	1,101	448	290	49	2	4,831
1905-1906	0	0	7	283	535	914	796	912	908	221	77	6	4,659
1906-1907	0	0	3	230	627	838	816	850	435	516	166	30	4,511
1907-1908	0	0	50	294	627	796	949	862	459	272	64	0	4,373
1908-1909	0	0	26	267	534	898	958	811	647	324	120	0	4,585
1909-1910	0	0	70	294	309	1,189	968	1,027	338	315	142	40	4,692
1910-1911	0	3	18	218	656	1,085	956	714	568	337	83	0	4,638
1911-1912	0	3	4	272	764	836	1,396	1,123	924	221	79	14	5,636
1912-1913	0	6	91	267	627	857	944	986	767	344	89	24	5,002
1913-1914	0	0	25	291	473	782	845	1,092	769	294	64	3	4,638
1914-1915	0	0	41	236	542	1,130	1,172	732	850	202	104	12	5,021
1915-1916	1	11	50	215	513	967	897	959	763	335	67	8	4,786
1916-1917	0	5	75	244	532	1,001	896	907	553	347	192	25	4,777
1917-1918	0	0	39	422	582	1,240	1,489	797	401	404	76	2	5,452
1918-1919	1	0	139	190	568	658	873	799	549	208	96	0	4,081
1919-1920	0	0	7	152	624	1,058	1,125	877	605	393	108	7	4,956
1920-1921	0	1	19	154	621	849	814	681	321	242	93	0	3,795
1921-1922	0	0	5	235	491	817	1,053	803	542	221	18	0	4,185
1922-1923	0	0	10	193	492	867	790	943	680	324	121	12	4,432
1923-1924	0	3	45	331	509	603	1,124	850	803	250	206	20	4,744
1924-1925	2	0	67	133	570	1,035	1,017	646	507	176	185	0	4,338
1925-1926	0	1	4	423	645	948	935	692	768	438	54	4	4,912
1926-1927	0	0	47	256	753	992	1,031	599	543	224	100	21	4,566
1927-1928	2	6	49	158	459	990	986	830	637	398	83	35	4,633
1928-1929	1	0	138	233	590	889	1,113	1,054	477	223	171	19	4,908
1929-1930	0	0	48	242	707	893	1,213	591	659	219	61	12	4,645
1930-1931	0	0	17	337	576	932	884	682	758	287	170	12	4,655
1931-1932	0	0	19	164	335	648	767	603	795	254	69	0	3,654
1932-1933	0	0	30	254	710	937	694	857	616	291	54	6	4,449
1933-1934	0	0	3	235	587	751	843	940	701	267	22	0	4,349
1934-1935	0	7	61	191	486	995	921	742	412	385	160	15	4,375
1935-1936	0	7	39	228	602	1,107	1,200	1,107	469	417	34	3	5,213
1936-1937	0	0	24	230	669	801	949	843	717	286	72	2	4,593
1937-1938	1	0	56	264	665	999	985	573	369	237	72	0	4,221
1938-1939	0	0	41	134	544	894	831	861	543	380	51	1	4,280
1939-1940	0	0	10	176	630	864	1,478	910	662	315	106	0	5,151
1940-1941	0	0	53	92	631	763	916	913	757	187	49	2	4,363
1941-1942	0	0	20	143	589	768	1,042	877	506	209	64	8	4,226
1942-1943	0	2	103	192	499	993	931	718	749	306	52	3	4,548
1943-1944	0	0	66	252	645	1,019	895	751	703	285	68	5	4,689
1944-1945	0	1	9	198	545	1,121	1,132	795	346	260	169	30	4,606

\* Mt Vernon data missing, HoLeansboro data substituted

\*\* Seasonal total calculated from Mt Vernon and McLeansboro data.

Degree days based on mean monthly temperature, as opposed to daily accumulated values.

Seasonal total calculated from values based on mean monthly temperature, as well as daily accumulated values.

\*\* Seasonal total calculated from values based on lean monthly temperature from Mt Vernon and HoLeansboro.

^ Seasonal total calculated from daily accumulated values from Mt Vernon and HoLeansboro, and from values based on mean monthly temperature from Mt Vernon.

M Monthly- less than 4 days missing. Annually- one or more months are incomplete.

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	SEASONAL TOTAL
1945-1946	0	0	30	263	562	1,127	993	707	251	209	109	18	4,269
1946-1947	0	6	32#	169	501	768	886	1,032	847	290	124	4	4,659##
1947-1948	2	0	70	83	727	865	1,215	894	612	220	87	0	4,775
1948-1949	0	0	30	323	543	844	959	790	691	351	50	0	4,581
1949-1950	0	0	102	216	589	792	800	772	727	364	34	2	4,398
1950-1951	0	4*	45	123	771	1,133	961	810	701	410	77#	10	5,045M^
1951-1952	0	0	56	198	782	910	846	693	664	311	100	0	4,560
1952-1953	0	0	43	371	567	845	869	679	553	389	75	0	4,391
1953-1954	0	0	24	188	546	886	995M#	594	663M	157	179	11	4,243M##
1954-1955	0*	3	18	281M	555	882	964	790	584	122	33	25	4,257M**
1955-1956	0	0	10	236	669	961	1,048	748	601	379	80M	22	4,754M
1956-1957	0	2	62	129	639	750M#	1,138M#	686	646	264M	76	4	4,396M##
1957-1958	0M	0M	27	305	619	708	1,009	1,080	789	267	63	4	4,871M
1958-1959	0	2	36	236	477	1,068	1,101	792	592	268	49	1	4,622
1959-1960	0	0	18	241M	757	759	913	951	1065	218	151	1	4,115M
1960-1961	0	0	2	189	577	1,057	1,112	738	537	427	172	12	4,823
1961-1962	0	1	32	195	580	960	1,157	737	734	365	7	0	4,768
1962-1963	0	0	64	170M	588	1,022	1,248	989	486	219	99	3	4,888M
1963-1964	0	0	19	58	479	1,245	915	874	616	189	34	7	4,436
1964-1965	0	4	43	320	466	945	945	828	864	214	11	0	4,640
1965-1966	0	5	35	274	429	687	1,163	871	558	345M#	125	9	4,501M##
1966-1967	0	0	60	327	523	903	867	878	466	202	130	13	4,369
1967-1968	1	10	72	267	670	868M#	1,090	1,009M	577	248	106	6	4,924M##
1968-1969	0	1	11M	278	586	967	1,058	806	811	238	74	16	4,846M
1969-1970	0	0	28	293M	675	1,017	1,263	891	722	237	51	3	5,180M
1970-1971	0	0	19	237	604	803	1,103	846	677	308	159M#	0	4,756M##
1971-1972	0	0	22	48	540	667	1,017M#	855	566	262	62M#	7	4,046M##
1972-1973	1	0M	17	289	690	977	1,016	847	425*	336	137	3	4,738M**
1973-1974	0	0	24	148	483M#	942	959	807	559M	294	100	9	4,325M##
1974-1975	0	0	121M#	294	558	898	911	863	788	333	35M	4	4,805M##
1975-1976	0	0	118	242	492	898	1,126	679	427M	310	178	0	4,470M
1976-1977	0	0	34	455	854	1,112	1,621M#	963M#	499M#	209	47	5	5,799M##
1977-1978	0M	0	9	275M	524	1,020M#	1,398M#	1,202	804	241	171*	1	5,645M*
1978-1979	0	0M	29*	358*	505M	970M#	1,448	1,183	669*	298	148*	1	5,609M*
1979-1980	0*	11*	48*	291*	625	868M#	1,010*	1,099	787	366M#	98	8	5,211M*
1980-1981	0*	0M	34	358*	663M#	962	1,154	850	690	155M	165M	2M	5,033M*
1981-1982	1	0	67	339	519	1,071	1,269	1,017	581	441	33	21	5,359
1982-1983	0	1	66	300	571	704	1,034	793	654	496	155	22	4,796
1983-1984	1	0	88	269	539	1,356	1,225	804	879	392	162	1	5,716
1984-1985	0	0	97	158	641	745	1,347	1,044	533	219*	116M#	13	4,913M*
1985-1986	0*	1	94	222	524	1,207	1,046	839	617	242	75	0	4,867**
1986-1987	0	20	27	279	695	981	1,113	803	561	344	36	3	4,862
1987-1988	0	0	29	473	477	897	1,195	1,015	668	347	86	17	5,204
1988-1989	0	5	38	472	627	975	874	1,022	685	377	200	12	5,287
1989-1990	0	4	105	270	654	1,417	806	706	576	435	162	16	5,151
1990-1991	8	5	52	368	490	937	1,181	791	586	237	53	0	4,708
1991-1992	0	0	125	264	741	882	985	729	656	352	151	20	4,905
1992-1993	0	13	77	323	625	980	1,037	994M#	806	425	104	26	5,410M##
1993-1994	0	0	92	374	697	945	1,261	906	687	329	188	10	5,489
1994-1995	0	3	80	233	472	846							

\* Mt Vernon data missing, HcLeansboro data substituted

\*\* Seasonal total calculated from Mt Vernon and HcLeansboro data.

Degree days based on mean monthly temperature, as opposed to daily accumulated values.

Seasonal total calculated from values based on mean monthly temperature, as well as daily accumulated values.

\*\* Seasonal total calculated from values based on lean Monthly temperature from Mt Vernon and HcLeansboro.

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M Monthly- less than 4 days missing. Annually- one or more Months are incomplete.

PRECIPITATION													MT VERNON, IL
YEAR	JAN	FEB	MAR	APS	HAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTAL
1895					2.21	1.94	5.94	3.15	3.13	0.27	4.66	3.80	
1896	1.77	1.95	4.05	1.67	7.64	3.37	6.30	3.06	6.19	1.86	3.10	0.29	41.25
1897	3.57	3.39	10.18	4.47	1.30	7.49	3.00	0.77	0.41	0.56	4.00	1.89	41.03
1898	5.86	1.60	11.94	3.54	5.86	5.28	6.43	3.18	4.54	4.41	2.14	2.12	56.90
1899	3.26	3.38	2.90	2.27	4.19	1.94	4.98	2.40	0.90	1.87	1.30	2.19	31.58
1900	1.08	2.94	1.43	1.48	5.37	8.35	3.72	1.81	4.07	1.56	3.49	1.67	36.97
1901	1.37	2.54	3.79	2.51	1.23	2.32	0.69	3.29	1.53	2.25	1.79	4.05	27.36
1902	1.45	0.92	3.92	1.42	5.14	5.35	2.81	2.85	3.20	0.28	4.47	4.91	36.72
1903	1.68	3.37	3.15	3.66	2.54	4.89	0.94	2.87	1.94	3.20	0.84	2.68	31.76
1904	3.48	2.58	10.01	3.79	5.50	5.17	5.66	3.99	4.22	0.56	0.81	3.10	48.87
1905	2.42	1.44	3.18	4.92	3.55	2.14	7.97	2.75	4.24	5.87	2.52	3.89	44.89
1906	3.74	2.78	5.58	1.58	1.68	2.75	1.07	2.27	6.50	1.87	6.90	3.18	39.90
1907	8.15	1.00	3.38	3.22	4.39	5.50	3.98	6.61	0.97	3.49	3.64	3.50	47.83
1908	2.16	6.63	5.42	6.18	6.23	1.41	3.87	1.83	0.92	0.00	2.33	1.01	37.99
1909	3.82	5.17	4.98	7.50	4.45	7.13	4.03	0.30	3.72	1.55	3.23	2.81	48.69
1910	2.27	5.71	0.02	3.43	2.61	1.75	5.97	2.07	9.21	6.65	1.83	1.70	43.22
1911	1.23	2.80	1.59	6.25	1.06	2.08	1.44	3.68	7.51	2.62	2.63	3.10	35.99
1912	1.38	4.25	3.94	3.81	4.67	5.64	5.98	4.68	3.60	0.74	2.46	0.69	41.84
1913	8.76	1.05	8.84	2.94	1.89	4.57	1.44	0.80	4.20	4.66	3.84	1.83	44.82
1914	2.65	3.57	2.86	2.34	0.35	1.54	0.51	6.38	3.95	4.93	0.20	3.40	32.68
1915	4.16	2.48	0.76	0.92	7.61	4.60	2.73	9.87	1.68	0.50	2.34	4.76	42.41
1916	8.25	1.36	1.55	1.11	4.35	4.02	2.05	7.91	2.65	2.37	1.64	3.33	40.59
1917	5.11	0.80	2.29	6.52	3.66	4.01	2.52	1.80	0.44	2.95	1.40	2.20	33.70
1918	2.56	1.47	0.51	7.41	5.32	2.12	0.70	4.41	4.41	2.34	2.67	5.47	39.39
1919	1.46	1.75	2.84	4.24	7.36	6.05	0.53	3.66	2.16	13.91	2.63	0.99	47.58
1920	2.55	0.75	6.32	4.33	6.36	5.54	2.97	3.46	3.60	1.62	1.13	3.57	42.20
1921	2.04	1.38	6.59	3.52	2.67	4.11	0.12	5.37	4.49	0.95	5.82	4.45	41.51
1922	1.11	2.02	7.87	4.80	1.14	5.00	4.58	1.81	0.64	4.90	2.00	5.16	41.03
1923	2.43	2.10	4.97	2.61	5.50	3.55	1.70	6.46	3.00	3.54	2.58	5.88	44.32
1924	1.95	0.66	2.64	1.97	4.56	5.46	3.33	1.67	3.52	0.53	0.66	3.39	30.34
1925	0.83	2.60	1.82	2.08	3.46	6.42	0.71	0.55	3.51	5.56	4.19	1.75	33.48
1926	2.03	4.13	3.16	3.02	1.31	1.60	1.97	6.30	6.50	7.42	2.98	2.03	42.45
1927	3.98	0.84	5.81	6.20	8.21	3.87	4.27	8.25	3.41	2.77	4.92	4.02	56.55
1928	1.77	3.43	1.46	3.16	5.28	10.85	1.49	5.02	2.02	6.69	3.64	3.53	48.34
1929	3.58	1.76	3.11	4.05	7.75	5.80	2.25	2.46	4.02	2.74	1.93	3.65	43.10
1930	7.20	2.79	1.18	1.75	1.93	2.71	0.53	4.11	9.95	2.06	2.27	1.29	37.77
1931	0.48	1.44	3.20	3.11	4.05	1.76	2.04	5.59	5.34	4.85	5.44	4.54	41.84
1932	5.28	1.00	2.71	3.08	1.87	3.92	2.71	6.93	4.59	5.14	2.12	4.90	44.25
1933	2.78	1.17	5.28	5.12	10.78	0.14	2.98	1.38	3.14	2.24	1.00	2.60	38.61
1934	1.93	1.27	4.03	3.63	1.52	3.48	5.44	5.16	7.46	2.06	7.44	1.78	45.20
1935	3.54	0.81	6.94	4.77	6.35	6.64	5.64	2.11	4.16	2.73	7.02	1.42	52.13
1936	1.81	1.93	1.64	2.78	0.93	2.54	0.46	0.76	3.05	4.36	3.94	3.12	27.32
1937	11.48	2.33	1.64	7.74	5.31	5.42	3.65	1.08	3.20	4.04	1.60	3.75	51.24
1938	3.06	3.43	8.83	2.82	5.23	3.15	1.63	5.29	2.39	0.52	2.01	1.59	39.95
1939	5.74	5.87	2.90	7.95	2.84	3.96	2.85	3.19	0.66	1.83	2.48	2.30	42.57
1940	2.91	2.83	1.52	5.06	2.96	2.63	0.78	2.04	0.23	1.97	4.11	3.47	30.51
1941	3.30	1.63	1.28	3.39	1.93	4.02	2.28	1.53	1.84	8.25	3.58	1.55	34.58
1942	1.82	2.98	4.73	3.69	4.87	5.24	5.02	2.57	0.58	2.04	4.47	2.30	40.31
1943	0.60	0.92	3.23	3.67	8.67	7.48	1.14	0.55	4.78	2.68	2.59	1.94	38.25
1944	0.12	2.73	3.92	6.46	4.69	1.48	1.89	6.14	2.90	0.78	2.03	2.60	35.74
1945	2.24	5.80	12.04	6.69	4.64	7.27	0.36	7.78	10.18	2.29	1.98	1.80	63.07

\* Mt Vernon data missing, HcLeansboro data substituted.

\*\* Annual total calculated from Mt Vernon and HcLeansboro data.

H Monthly- less than 4 days missing. Annually- one or more months incomplete.

PRECIPITATION										MT VERNON, IL			
YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTAL
1946	2.23	4.75	2.22	4.01	8.13	2.03	1.43	14.37	1.61	3.58	4.31	1.81	51.25
1947	1.59	0.21	1.92	7.90	3.04	5.35	2.78	3.99	3.63	5.11	2.59	2.44	40.55
1948	3.30	1.99	4.19	3.05	3.58	3.95	10.83	1.55	4.30	2.01	6.22	2.41	47.38
1949	11.02	3.10	3.89	1.56	2.29	4.74	1.30	2.76	5.36	9.09	0.28	4.20	49.59
1950	10.35	6.50	4.73	6.11	4.94	5.25	3.14	8.01	2.68	1.23	5.08	1.99	60.01
1951	3.31	4.70	3.01	2.43	1.19	6.87	4.15	2.52	5.58	4.26	5.27	2.62	45.91
1952	0.93	1.35	7.34'	3.60	2.44	3.61	2.42	1.74	3.89	1.03	3.74	2.41	34.50**
1953	2.76	1.15	4.56	4.04	4.25	3.20	2.00	0.81	0.49	2.52	0.68	1.04	27.50
1954	1.76	1.81	1.20	2.99	4.81	2.82	1.49	5.14	4.49	4.97	0.85	5.30	37.63
1955	1.61	3.43	3.45	4.74	4.78	5.74	4.41	2.26	2.39	2.86	3.92	0.32	39.91
1956	1.42	4.56	1.16M	5.36	2.43	2.98	9.96	2.79	3.83	1.02	2.78	3.64	41.93M
1957	2.81	3.44	2.77	9.91	8.61	5.12	3.34	1.38	2.48	2.81	6.11	8.44	57.22
1958	2.03	1.22	3.56	3.82	3.97	3.16	8.82	3.35	3.42	1.08	5.56	1.14	41.13
1959	4.25	2.98	3.34	2.20	4.14	0.61	0.99	9.44	4.65	3.34	2.66	5.41	44.01
1960	1.56	1.45	2.22	2.16	4.93	4.59	1.76	2.55	0.55	2.01	4.76	2.51	31.05
1961	1.11	2.59	4.60	4.64	11.11	3.70	7.76	3.33	2.28	1.27	4.59	4.01	50.99
1962	3.81	4.34	3.36	2.51	3.66	4.39	5.86	2.71	3.81	2.59	0.95	2.83	40.82
1963	0.39	0.28	6.98	1.82	3.74	2.39	7.27	1.41	0.59	0.29	4.96	1.29	31.41
1964	2.66	2.25	7.34	4.76	3.39	2.53	2.85	3.05	3.31	0.40	2.84	2.17	37.55
1965	3.00	2.98	1.99	2.83	1.74	4.58	1.44	4.11	7.30	2.73	0.72	2.42	35.84
1966	2.00	2.75	1.06	7.07	3.55	1.13	1.77	2.44	4.60	2.10	3.34	5.57	37.38
1967	1.44	2.05	3.16	5.21	3.96	3.41	7.63	1.34	3.22	4.29	2.41	5.85	43.97
1968	2.29	0.94	5.14	5.17	4.92	2.43	1.55	2.83	2.86	0.73	6.40	4.04	39.30
1969	5.95	0.91	2.36	5.74	3.24	7.16	9.27	0.39	3.71	3.64	2.46	3.08	47.91
1970	0.87	1.65	3.92	3.45	2.47	7.47	1.88	2.93	4.55	2.66	1.51	1.30	34.66
1971	1.82	4.90	1.51	2.11	4.85	1.40	4.11	1.08	1.35	0.89	1.33	4.69	30.04
1972	1.73	2.07	2.52	7.84	1.93M	3.03	4.52	6.29	3.41	2.57	6.87	3.92	46.70M
1973	2.02	0.88	6.60*	6.22	3.97	5.77	0.99	2.60	2.14	3.34	7.26	3.67	45.46**
1974	3.08	1.43	2.82	5.14	5.56	3.15	0.86	4.80	3.04	1.25	4.03	2.54	37.70
1975	4.71	3.54	5.77	6.77	6.07	2.29	4.19	4.75	2.69	1.70	3.82	3.11	49.41
1976	0.95	2.01	3.27	1.79	3.82	3.18	5.62	0.32	4.65	4.09	0.51	0.96	31.17
1977	1.66*	1.96	6.84H	1.75	1.97	4.04	2.43	8.97	2.56	2.32	2.73	3.53	40.76M**
1978	1.88	0.93	4.52M	2.84	4.42	1.75	4.29	3.95	1.73	1.80	4.37M	5.15	37.63M
1979	2.95	3.64	5.37	5.28H	2.27	1.97	6.76	6.09	0.62	1.83	5.27	2.13	44.18H
1980	2.03*	1.40	5.03	2.40	3.70	2.26	5.08*	2.73	2.95	3.06*	2.23	0.70	33.57**
1981	0.40	1.93	1.35	4.56	8.14	5.07	3.92	4.22	2.35	3.90	2.02	3.00	40.86
1982	6.88M	1.49	2.28	2.02	5.83	3.44	5.07	2.15	6.57	4.79	2.73	10.16	53.41M
1983	0.87	1.14	3.83	6.45	8.28	3.91	1.04	2.47	1.47	10.01	6.25	4.22	49.94
1984	0.56	3.13	5.99	6.78	3.20	1.23	1.85	1.60	8.38	5.86	5.73	5.34	49.65
1985	1.85	5.00	7.71	2.63*	3.35	5.91	1.07H	7.03	0.89	3.76	13.11	1.69	54.00M**
1986	0.04	6.41	3.05	4.09	2.88	0.87	6.66	3.09	2.38	3.64	2.58	2.39	38.08
1987	1.15H	1.50	1.83	3.13	3.06	3.45	7.00	3.37	2.32	2.20	4.90	6.28	40.19M
1988	2.46	5.30	5.14	2.88	1.17	1.20	5.84	0.67	4.30	2.95	6.03	2.24	40.18
1989	2.51	4.22	7.68	3.44	4.37	5.15	1.54	3.22	2.71	1.87	1.50	1.36	39.57
1990	3.19	4.95	2.64	4.07	11.87	3.53	2.13	0.52	5.60	4.39	4.69	7.72	55.30
1991	1.54	2.58	4.24	3.10	2.65	0.18	1.63	1.19	5.97	5.42	4.25	1.85	34.60
1992	1.75	1.29	2.95	3.75	4.22	0.50	3.46	1.42	3.33	0.94	7.02	1.41	32.04
1993	3.68	1.83	2.00M	5.47M	4.32	6.77M	6.63	4.87	8.23	1.57	9.29M	1.74	56.40X
1994	3.32	1.56	1.69	7.76	1.77	3.55	4.27	2.83	2.42	1.62	5.81	1.53	38.13

\* Mt Vernon data missing, KcLeansboro data substituted.

\*\* Annual total calculated from Mt Vernon and KcLeansboro data.

M Monthly- less than 4 days missing. Annually- one or more months incomplete.

## SNOWFALL

MT VERNON, IL

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	SEASONAL
													TOTAL
1894-1895											0.0	0.0	
1895-1896	0.0	0.0	0.0	0.0	0.5	10.0	0.2	0.3	17.0	0.0	0.0	0.0	28.0
1896-1897	0.0	0.0	0.0	0.0	2.5	0.0	1.5	4.5	0.0	0.0	0.0	0.0	8.5
1897-1898	0.0	0.0	0.0	0.0	0.0	0.5*	1.0	3.0	0.0	0.0	0.0	0.0	4.5 "
1898-1899	0.0	0.0	0.0	0.0	2.0	4.0	4.0	16.8	4.5	0.0	0.0	0.0	31.3
1899-1900	0.0	0.0	0.0	0.0	0.0	8.5	1.0	7.8	0.2	0.0	0.0	0.0	17.5
1900-1901	0.0	0.0	0.0	0.0	0.0	1.5	0.0	4.0	0.0	0.0	0.0	0.0	5.5
1901-1902	0.0	0.0	0.0	0.0	0.0	8.0	2.0	1.0	0.0	0.0	0.0	0.0	11.0
1902-1903	0.0	0.0	0.0	0.0	0.1	2.0	3.7	2.5	0.4	0.0	0.0	0.0	8.7
1903-1904	0.0	0.0	0.0	0.0	2.0	0.6	9.0M	0.5	0.0	6.0	0.0	0.0	18.1M
1904-1905	0.0	0.0	0.0	0.0	0.0	7.0	10.0	6.0	0.0	0.5	0.0	0.0	23.5
1905-1906	0.0	0.0	0.0	0.0	0.0	0.0	1.0	17.5	1.2	0.0	0.0	0.0	19.7
1906-1907	0.0	0.0	0.0	0.0	2.0	1.0	2.5	7.0	0.0	0.0	0.0	0.0	12.5
1907-1908	0.0	0.0	0.0	0.0	0.0	0.2	1.5	2.0	0.0	0.0	0.0	0.0	3.7
1908-1909	0.0	0.0	0.0	0.0	0.0	0.5	9.0	4.0	0.0	0.0	0.0	0.0	13.5
1909-1910	0.0	0.0	0.0	0.0	0.0	8.0	1.7	19.0	0.0	4.0	0.0	0.0	32.7
1910-1911	0.0	0.0	0.0	0.0	0.0	1.8	0.5	4.0	1.0	0.0	0.0	0.0	7.3
1911-1912	0.0	0.0	0.0	0.0	1.0M	0.0	13.0	17.5	14.5	0.0	0.0	0.0	46.0M
1912-1913	0.0	0.0	0.0	0.0	0.0	0.0	1.0	6.2	5.0	0.0	0.0	0.0	12.2
1913-1914	0.0	0.0	0.0	0.5	0.0	2.5	3.0	12.5	3.7	0.0	0.0	0.0	22.2
1914-1915	0.0	0.0	0.0	0.0	0.0	6.0	9.5	0.5	1.5	0.0	0.0	0.0	17.5
1915-1916	0.0	0.0	0.0	0.0	0.0	5.0	3.0	1.5	7.5	0.0	0.0	0.0	17.0
1916-1917	0.0	0.0	0.0	0.0	0.0	5.2	2.0	0.4	0.0	0.2	0.0	0.0*	7.8**
1917-1918	0.0	0.0	0.0	0.0	0.0	13.3	12.4	0.0	0.0	0.0	0.0	0.0	25.7
1918-1919	0.0	0.0	0.0	0.0	0.0	0.5	1.1	0.0H	0.0	0.0	0.0	0.0	1.6H
1919-1920	0.0	0.0	0.0	0.0	0.0	0.0	6.7	1.2	1.0	0.3	0.0	0.0	9.2
1920-1921	0.0	0.0	0.0	0.0	0.0	3.0	2.0	2.0	0.0	0.0	0.0	0.0	7.0
1921-1922	0.0	0.0	0.0	0.0	0.0	4.0	1.5	0.0	4.0	0.0	0.0	0.0	9.5
1922-1923	0.0	0.0	0.0	0.0	0.0	0.5	0.0	3.0	0.1	0.0	0.0	0.0	3.6
1923-1924	0.0	0.0	0.0	0.0	0.0	0.0	1.5	4.5	11.0	0.0	0.0	0.0	17.0
1924-1925	0.0	0.0	0.0	0.0	1.0	5.0	4.5	2.0	0.5	0.0	0.0	0.0	13.0
1925-1926	0.0	0.0	0.0	3.0	0.0	0.5	3.2	0.0	2.0	0.0	0.0	0.0	8.7
1926-1927	0.0	0.0	0.0	0.0	3.5	7.0	0.2	1.5	4.0	0.0	0.0	0.0	16.2
1927-1928	0.0	0.0	0.0	0.0	0.0	1.0	2.0	4.5	1.5	0.0	0.0	0.0	9.0
1928-1929	0.0	0.0	0.0	0.0	0.0	0.0	0.9	4.2	0.0	0.0	0.0	0.0	5.1
1929-1930	0.0	0.0	0.0	0.0	5.0	12.0	8.0	2.1	0.0	0.0	0.0	0.0	27.1
1930-1931	0.0	0.0	0.0	0.0	1.2	2.2	0.5	0.0	0.0	0.0	0.0	0.0	3.9
1931-1932	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.3
1932-1933	0.0	0.0	0.0	0.0	4.2	3.7	0.0	1.2	0.0	0.0	0.0	0.0	9.1
1933-1934	0.0	0.0	0.0	0.0	0.0	3.5	0.0	6.5	5.2	0.0	0.0	0.0	15.2
1934-1935	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	1.6
1935-1936	0.0	0.0	0.0	0.0	0.0	5.0	5.4	5.0	0.0	0.0	0.0	0.0	15.4
1936-1937	0.0	0.0	0.0	0.0	0.3	4.0	4.0	1.0	7.0	0.0	0.0	0.0	16.3
1937-1938	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	1.2
1938-1939	0.0	0.0	0.0	0.0	2.5	0.0	7.6	7.5	0.0	0.0	0.0	0.0	17.6
1939-1940	0.0	0.0	0.0	0.0	0.0	11.3	14.9	6.5	0.5	0.0	0.0	0.0	33.2
1940-1941	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	6.0
1941-1942	0.0	0.0	0.0	0.0	0.0	1.0	2.0	6.5	4.0	0.0	0.0	0.0	11.5
1942-1943	0.0	0.0	0.0	0.0	0.0	6.0	0.0	3.5	4.5	0.0	0.0	0.0	14.0
1943-1944	0.0	0.0	0.0	0.0	0.0	1.5	0.0	3.0	1.5	0.0	0.0	0.0	6.0
1944-1945	0.0	0.0	0.0	0.0	1.0	4.0	8.0	6.0	0.0	0.0	0.0	0.0	19.0

\* Mt Vernon data missing, McLeansboro data substituted.

\*\* Seasonal total calculated from Mt Vernon and McLeansboro data

†† Mt Vernon data Missing, Fairfield data substituted.

††† Seasonal total calculated from Mt Vernon and Fairfield data.

‡ Seasonal total calculated from Mt Vernon, McLeansboro and Fairfield data.

M Monthly- less than 4 days missing. Annually- one or more months incomplete.



## SNOWFALL

MT VERNON, IL

YEAR	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	SEASONAL TOTAL
1945-1946	0.0	0.0	0.0	0.0	0.0	9.0	2.5	0.5	0.0	0.0	0.0	0.0	12.0
1946-1947	0.0	0.0	0.0	0.0	0.0	0.0	0.5	2.0	10.5	0.0	0.0	0.0	13.0
1947-1948	0.0	0.0	0.0	0.0	0.0	3.0	8.0	11.0	4.0	0.0	0.0	0.0	26.0
1948-1949	0.0	0.0	0.0	0.0	0.0	2.0	1.5	0.0	5.0	0.0	0.0	0.0	8.5
1949-1950	0.0	0.0	0.0	0.0	0.0*	0.0M	1.0	1.0	0.0	0.0	0.0	0.0	2.0M**
1950-1951	0.0	0.0	0.0	0.0	0.1	8.0	4.3	3.2	4.2	0.0	0.0	0.0	19.8
1951-1952	0.0	0.0	0.0	0.0	4.8	3.5	0.5	0.0	2.0++	0.0	0.0	0.0	10.8+++
1952-1953	0.0	0.0	0.0	0.0	2.0	3.6	1.1	0.0	2.4	2.3	0.0	0.0	11.4
1953-1954	0.0	0.0	0.0	0.0	0.0	0.0	0.0M	0.0	0.0	0.0	0.0	0.0	0.0M
1954-1955	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0M	3.0	0.0	0.0	0.0	5.0M
1955-1956	0.0	0.0	0.0	0.0	0.0	0.0	4.5	2.5	0.0	0.0	0.0	0.0	7.0
1956-1957	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0M	0.0	0.0	0.0M
1957-1958	0.0	0.0	0.0	0.0	0.0	0.0	1.0	4.6	1.2	0.0	0.0	0.0	6.8
1958-1959	0.0	0.0	0.0	0.0	6.6	2.0	3.7	0.0	1.1	0.0	0.0	0.0	13.4
1959-1960	0.0	0.0	0.0	0.0	0.0M	0.0	0.2	9.3	17.7	0.0	0.0	0.0	27.2M
1960-1961	0.0	0.0	0.0	0.0	0.0	1.0	4.5	6.0	0.0	0.0	0.0	0.0	11.5
1961-1962	0.0	0.0	0.0	0.0	0.0	6.7	6.4	4.9	0.0	0.0	0.0	0.0	18.0
1962-1963	0.0	0.0	0.0	0.0	0.0	0.5	1.7	1.0	3.5	0.0	0.0	0.0	6.7
1963-1964	0.0	0.0	0.0	0.0	0.0	4.6	6.2	1.7	2.0	0.0	0.0	0.0	14.5
1964-1965	0.0	0.0	0.0	0.0	0.8	0.0	4.0	9.1	8.0	0.0	0.0	0.0	21.9
1965-1966	0.0	0.0	0.0	0.0	0.0	0.0	0.8	17.2	0.7	0.0	0.0	0.0	18.7
1966-1967	0.0	0.0	0.0	0.0	0.0	0.3	0.0	1.5	3.6	0.0	0.0	0.0	5.4
1967-1968	0.0	0.0	0.0	0.0	0.0	1.5	9.0	0.0	2.6	0.0	0.0	0.0	13.1
1968-1969	0.0	0.0	0.0	0.0	0.0	0.0	1.0	3.0	5.5	0.0	0.0	0.0	9.5
1969-1970	0.0	0.0	0.0	0.0	1.5	11.6	4.5	4.5	6.5	0.0	0.0	0.0	28.6
1970-1971	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	0.0	6.0	0.0	0.0	10.3
1971-1972	0.0	0.0	0.0	0.0	1.4	0.0	4.0	1.0	0.0	0.0	0.0	0.0	6.4
1972-1973	0.0	0.0	0.0	0.0	0.0	0.5++	0.0*	0.0	0.0M++	0.0	0.0	0.0	0.5M†
1973-1974	0.0	0.0	0.0	0.0	0.0	11.3M	0.5++	1.0*	0.0M	0.0	0.0	0.0	12.8M†
1974-1975	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	4.5	0.0	0.0	0.0	10.5
1975-1976	0.0	0.0	0.0	0.0	3.0	5.0	1.5	2.0	2.0	0.0	0.0	0.0	13.5
1976-1977	0.0	0.0	0.0	0.0	0.0	3.5	27.3	0.0	0.0	0.0	0.0	0.0	30.8
1977-1978	0.0	0.0	0.0	0.0	5.5	5.5	19.8	6.1	5.0	0.0	0.0	0.0	41.9
1978-1979	0.0	0.0	0.0	0.0	0.0	1.1*	26.0	12.5	0.2	0.0	0.0	0.0	39.8**
1979-1980	0.0	0.0	0.0	0.0	0.5	0.3*	5.0*	13.3	5.0	0.0	0.0	0.0	24.1**
1980-1981	0.0*	0.0	0.0	0.0*	6.0*	0.0	1.5	2.1	0.0	0.0	0.0	0.0	9.6**
1981-1982	0.0	0.0	0.0	0.0	0.5	0.9*	4.0M	19.0	0.5	4.0	0.0	0.0	28.9M**
1982-1983	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.5*	1.0	1.5	0.0	0.0	5.5**
1983-1984	0.0	0.0	0.0	0.0	0.0	3.6	3.1	24.2	8.0	0.0	0.0	0.0	38.9
1984-1985	0.0	0.0	0.0	0.0	0.0	4.0	12.4	4.0	0.0	0.0	0.0	0.0	20.4
1985-1986	0.0	0.0	0.0	0.0	0.0	2.0	0.5	4.0M	0.0	0.0	0.0	0.0	6.5M
1986-1987	0.0	0.0	0.0	0.0	0.0	0.0M	10.9	2.1	0.0	0.0	0.0	0.0	13.0M
1987-1988	0.0	0.0	0.0	0.0	0.0	3.0	4.0	3.5	1.0	0.0	0.0	0.0	11.5
1988-1989	0.0	0.0	0.0	0.0	0.0	6.0	1.0	1.0	1.3	0.0	0.0	0.0	9.3
1989-1990	0.0	0.0	0.0	0.2	0.0	10.0	2.0	0.0M	3.0	0.0	0.0	0.0	15.2M
1990-1991	0.0	0.0	0.0	0.0	0.0	13.0	1.5	0.0	1.0	0.0	0.0	0.0	15.5
1991-1992	0.0	0.0	0.0	0.0	3.0	0.0	3.0	0.5	2.5	0.0	0.0	0.0	9.0
1992-1993	0.0	0.0	0.0	0.0	0.0	0.0	0.6	21.5	0.0M	0.0	0.0	0.0	22.1M
1993-1994	0.0	0.0	0.0	5.0	0.5	1.0	10.0	1.0M	3.0	0.0	0.0	0.0	20.5M
1994-1995	0.0	0.0	0.0	0.0	0.0	0.0							

\* Mt Vernon data missing, McLeansboro data substituted.

\*\* Seasonal total calculated from Mt Vernon and McLeansboro data

++ Mt Vernon data missing, Fairfield data substituted.

+++ Seasonal total calculated from Mt Vernon and Fairfield data.

† Seasonal total calculated from Mt Vernon, McLeansboro and Fairfield data.

M Monthly- less than 4 days missing. Annually- one or more months incomplete.

## COMMENTS CONCERNING WEATHER RECORDS

Earliest weather records in the Midwest generally began in the mid-1800s. The first official governmental action concerning weather observations was inaugurated under the Surgeon General of the Army in 1814, when all hospital surgeons were asked to keep a weather diary. Systematic observations began under that program in 1819. The Smithsonian Institution acquired the meteorological observing program in 1848 under the direction of James P. Espy and Joseph Henry. For the first time in the U.S., observers were provided with instruments.

By 1850, 301 sites were taking routine weather observations. An additional 200 were added within the next decade. In 1870, military posts were directed to regularly observe the weather, and the U.S. Weather Bureau (forerunner of the National Weather Service), became a new agency of the U.S. Signal Service in 1871 and began managing the network. In 1891 the U.S. Weather Bureau was transferred to the U.S. Dept. of Agriculture, and in 1940, again, transferred to the Dept. of Commerce, its present home. Today, daily observations of temperature and precipitation are available from about 200 sites in Illinois.

Atlantic storm warnings were first made in 1885, followed by cold wave warnings with 3 days lead time the following year. Twenty-four hour hurricane observing and warning service began in 1935. Five-day forecasts were first issued in 1940, 30- and 90-day outlooks began in the 1950s, and outlooks for the coming year in January 1995.

Temperature and precipitation records are not likely homogeneous over long periods of record. Various diameter raingages have been used over the years, with varying catchment efficiencies. Daily mean temperatures are currently based on the average of the daily maximum and minimum. Maximum/minimum thermometers were not commonly available until the late 1800s, therefore prior to that time daily mean temperatures were defined as either (1) the average of the 0700, 1400 and 2100 observations (suggested by the Mannheim Meteorological Society), or the average of the 0700, 1400, and twice the 2100 temperatures, the latter more closely approximating the average of all 24 hourly readings of a day.

The Illinois State Water Survey has prepared climatological summaries similar to this one for the following locations:

Anna	Aurora	Champaign	Chicago
Decatur	Fairfield	Freeport	Harrisburg
Hoopeston	Lincoln	Moline	Mt. Vernon
Ottawa	Quincy	Peoria	Rockford
Springfield	White Hall		

and are available from State Climatologist, Illinois State Water Survey, 2204 Griffith Dr., Champaign IL 61820, 217-333-0729.

We thank Ms. Linda Hascall and Mr. David Cox for the preparation of table headings and format design.